

OM-CP-OCTRTD 8-Channel RTD Temperature Data Logger

Part of the NOMAD® Family



Starts at
\$999

- ✓ 100Ω PT RTD Input
- ✓ 0.01°C Resolution
- ✓ Real-Time Operation
- ✓ Programmable Start Time
- ✓ User Calibration Through Software

The OM-CP-OCTRTD temperature logger is an 8-channel, battery-powered, stand-alone, RTD-based temperature recorder. This is an all-in-one compact, portable, easy-to-use device that will measure and record up to 10,922 measurements per channel. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from your computer and its small size allows it to fit almost anywhere. The OM-CP-OCTRTD makes data retrieval quick and easy. Simply plug it into an available COM port and the easy-to-use Windows software does the rest.

The Windows software converts your PC into a real-time strip chart recorder. Data can be printed in graphical or tabular format and can also be exported to a text or Microsoft Excel file.

Specifications

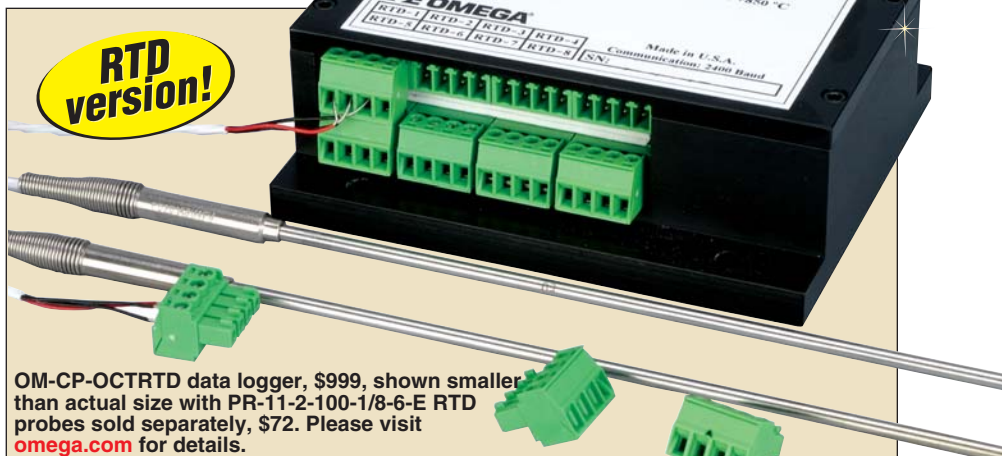
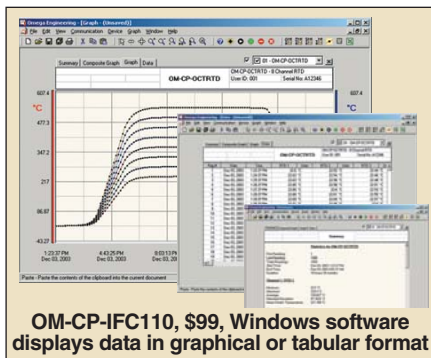
TEMPERATURE

Input Type: 100Ω Pt RTD, $\alpha = 0.00385$

Measurement Range:

-200 to 850°C (-328 to 1562°F)

Resolution: 0.01°C



Calibrated Accuracy: $\pm 0.1^\circ\text{C}$ @ 25°C ambient (does not include RTD error)

Specified Accuracy Range: -200 to 850°C (-328 to 1562°F)

RESISTANCE

Nominal Range: 0 to 5000Ω

Resolution: 0.001Ω

Calibrated Accuracy:

$\pm 0.03\Omega$ @ 25°C ambient

Specified Accuracy Range: 0 to 500Ω

Channels: 8

Input Connection: Removable screw terminal; 2, 3, or 4 wire interface

Start Time: Start time and date are programmable through software

Real-Time Recording: Device may be used with PC to monitor and record data in real time

Memory: 10,922 readings per channel

Recording Interval: 2 sec to 12 hours, selectable through software

Calibration Date: Automatically recorded within device to alert user when calibration is required

Temperature Calibration: Digital calibration is available in software

Power: 9 V lithium battery (included); 120 Vac power optional

Battery Life: 1 year typical

Data Format: Date and time stamped, °C, °F, °K, °R, Ω

Time Accuracy: ± 1 minute per month at 20°C (when RS-232 port not in use)

Computer Interface: PC serial, RS-232C COM or USB for receiver

Software: WIN98/NT/2000/XP/VISTA 32-bit (VISTA 32-bit version only; VISTA 64-bit is not supported)

Operating Environment: -20 to 60°C (-4 to 140°F)

0 to 95% RH non-condensing

Dimensions: 89 H x 111 W x 37 mm D (3.5 x 4.4 x 1.5")

Weight: 480 g (17 oz)

Material: Black anodized aluminum

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-OCTRTD	\$999	8-channel RTD temperature data logger
OM-CP-OCTRTD-CERT	1059	8-channel RTD temperature data logger with NIST calibration certificate
OM-CP-IFC110	99	Windows software and 1.2 m (4') RS-232 cable with DB9F termination
OM-CP-IFC220	119	Windows software and 3.7 m (12') USB cable
OM-CP-BAT103	20	Replacement 9 V lithium battery
OM-CP-CONNECTOR-4	8	Replacement 4 position terminal block connector

Operator's manual and RS-232 cable are included with the **OM-CP-IFC110**. Windows software (required to operate the data logger) is sold separately. To order data loggers with optional 120 Vac power, add suffix "-AC" to model number and add \$100 to price.

Ordering Example: **OM-CP-OCTRTD-CERT**, 8-channel RTD temperature data logger with NIST calibration certificate, **OM-CP-IFC110** Windows software, RS-232 cable, \$1059 + 99 = **\$1158**.



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Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters